

# Jefferson Lab Alignment Group

## DATA TRANSMITTAL

**TO:** J. Gomez, J. Mitchell, A. Saha, N. Liyanage, J. LeRose      **DATE:** 10 January, 2001

**FROM:** J. Dahlberg      **Checked:**      **# :** A649

### DETAILS:

Below are the results from the spectrometer pointing and superharp surveys carried out on the Electron and Hadron arm on January 09.

#### ===== RESULTS ===== E010901A

The central ray of the spectrometer is at -12.530 degrees.  
It is missing the defined target center by 1.61 mm upstream,  
and -0.46 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the  
spectrometer will be at -12.541 degrees.

\*.3dd = 1.31

\*.9pr = 0.11

#### ===== RESULTS ===== H010901A

The central ray of the spectrometer is at 12.563 degrees.  
It is missing the defined target center by 2.86 mm downstream,  
and -0.62 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the  
spectrometer will be at 12.543 degrees.

\*.3dd = 1.58

\*.9pr = 0.10

<b>Superharps</b>	<b>DX</b>	<b>DY</b>	<b>locations in mm (+ is beam left)</b>
SH1H01A	0.12	0.10	
SH1H01B	0.20	0.08	
SH1H01C	0.24	0.04	
SH1H02A	-0.22	0.31	
SH1H02B	-0.15	0.32	
SH1H02C	-0.15	0.38	